

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102521.D
 Acq On : 27 Jan 2018 20:15
 Operator : SJ/JU
 Sample : J1009-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-A

Quant Time: Jan 27 21:01:49 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	156123	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	631787	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	257695	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	355060	20.00	ng	0.00
75) Chrysene-d12	13.87	240	279205	20.00	ng	0.00
86) Perylene-d12	15.31	264	230310	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	987586	95.91	ng	0.00
7) Phenol-d6	6.36	99	1175610	94.70	ng	0.00
23) Nitrobenzene-d5	7.28	82	731597	66.55	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	192618	75.44	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1059857	60.47	ng	0.00
78) Terphenyl-d14	12.82	244	684293	55.25	ng	0.00

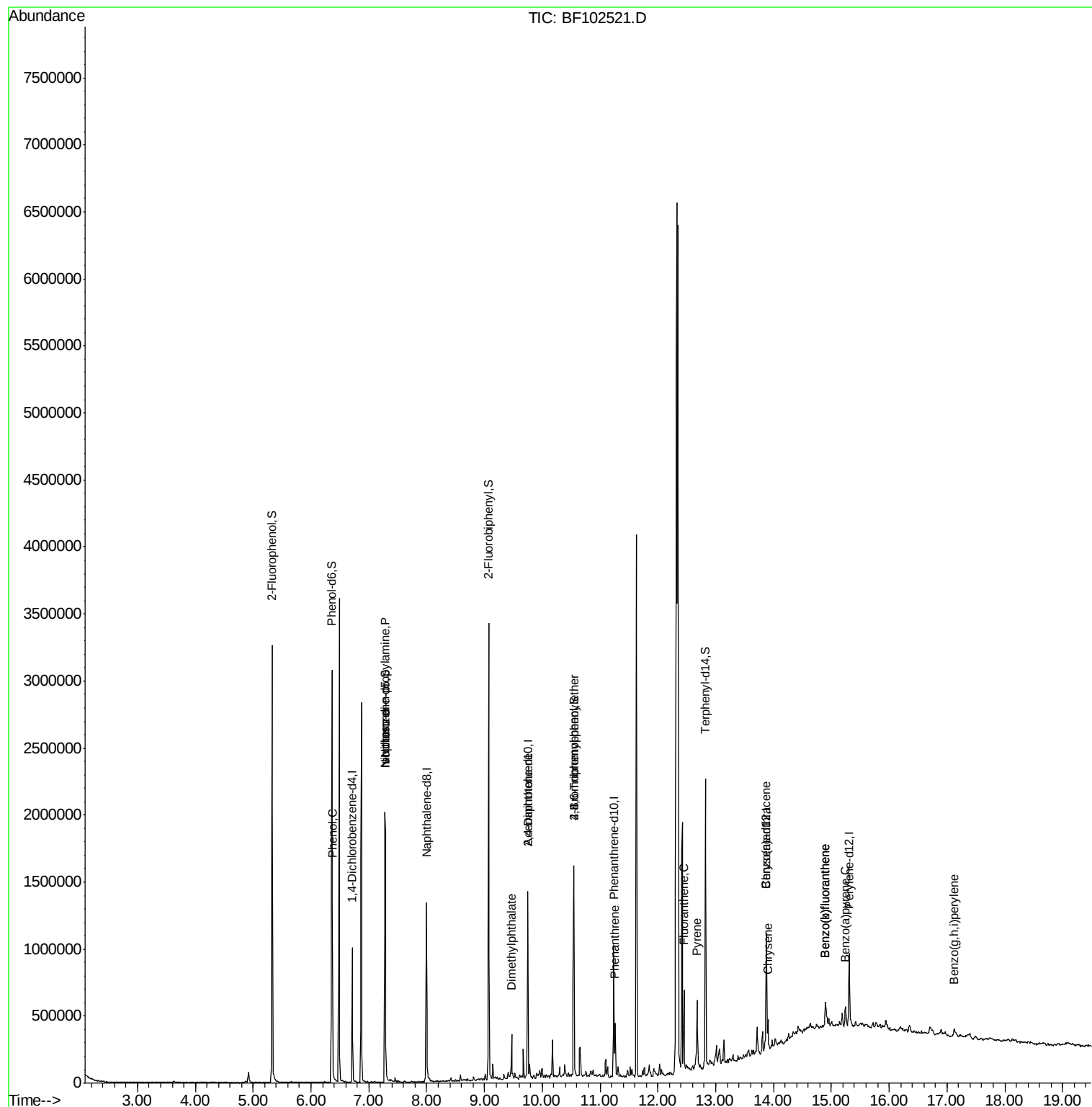
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	46191	3.408	ng	99
19) n-Nitroso-di-n-propylamine	7.28	70	97682	12.858	ng	# 82
25) Isophorone	7.28	82	724334	36.957	ng	# 64
49) Dimethylphthalate	9.47	163	106286	4.990	ng	97
56) 2,4-Dinitrotoluene	9.75	165	33625	5.954	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	13648	3.571	ng	# 1
70) Phenanthrene	11.26	178	141502	6.839	ng	98
74) Fluoranthene	12.45	202	217477	10.308	ng	99
77) Pyrene	12.68	202	192807	8.932	ng	98
80) Benzo(a)anthracene	13.87	228	91202	5.306	ng	99
82) Chrysene	13.90	228	92385	5.292	ng	98
87) Benzo(b)fluoranthene	14.90	252	131211	8.790	ng	# 90
88) Benzo(k)fluoranthene	14.90	252	131211	9.304	ng	# 93
89) Benzo(a)pyrene	15.24	252	59227	4.399	ng	# 84
91) Benzo(g,h,i)perylene	17.13	276	26461	2.457	ng	# 79

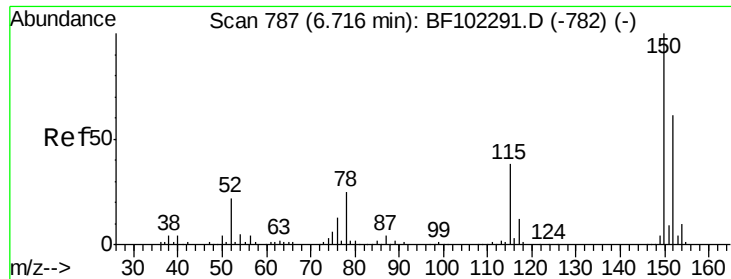
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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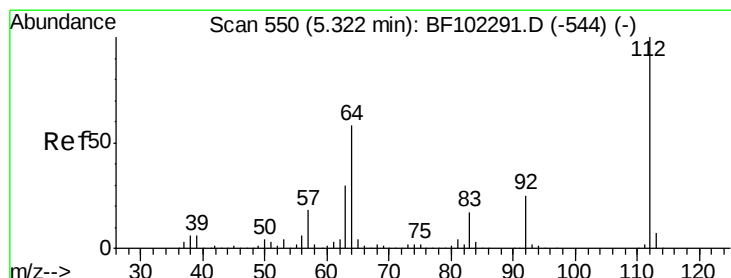
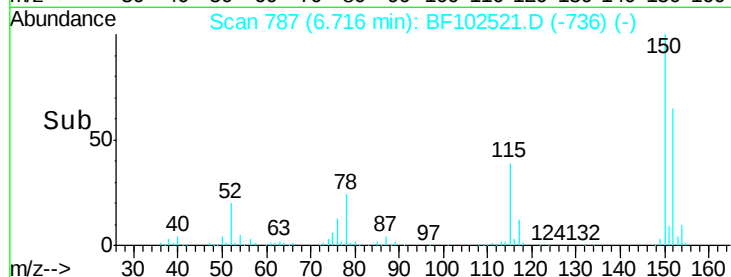
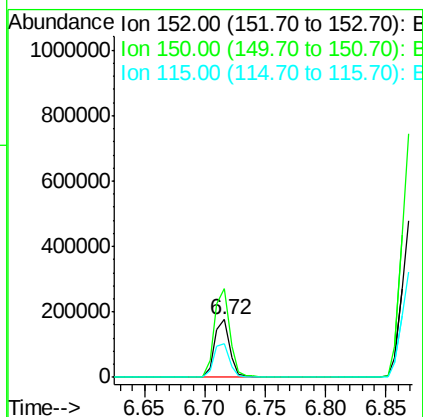
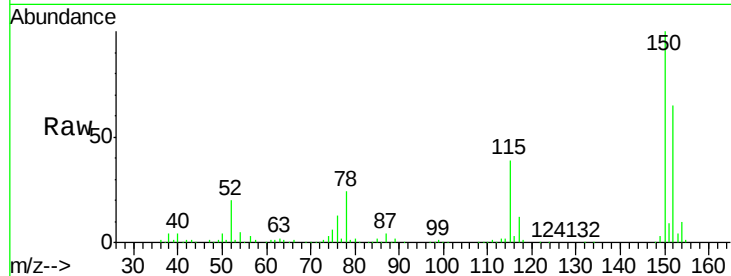


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Instrument :
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ClientSampleId :
AU-06-012518-A

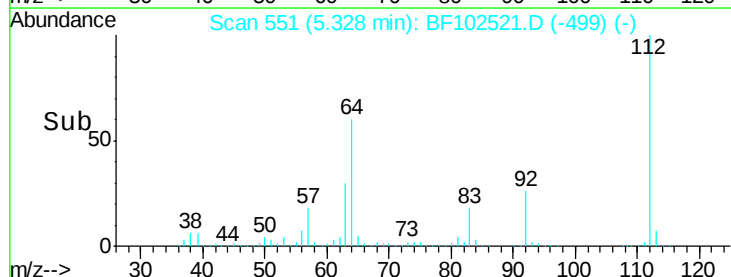
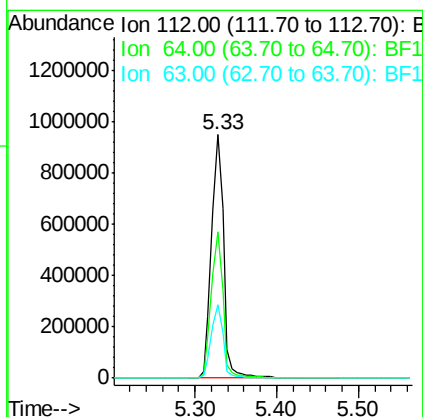
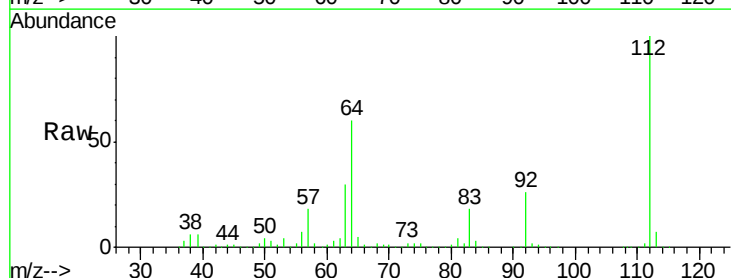
Tgt Ion:152 Resp: 156123
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 59.6 50.1 75.1

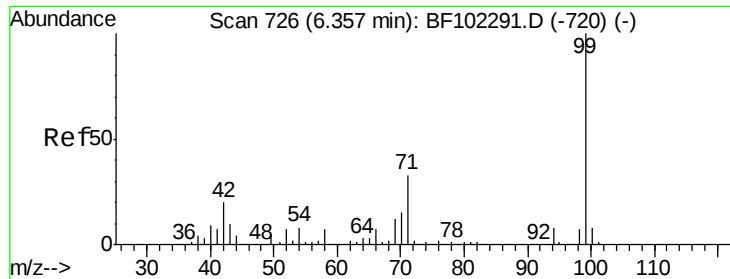


#5

2-Fluorophenol
Concen: 95.914 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Tgt Ion:112 Resp: 987586
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 94.704 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-A

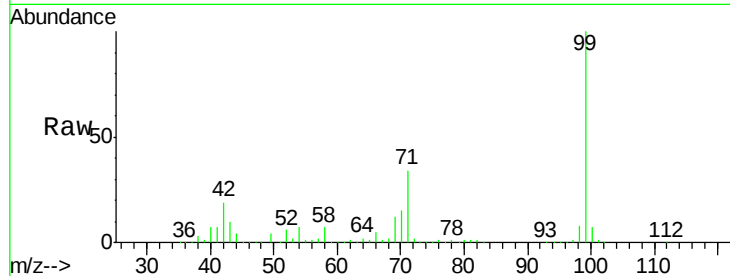
Tgt Ion: 99 Resp: 1175610

Ion Ratio Lower Upper

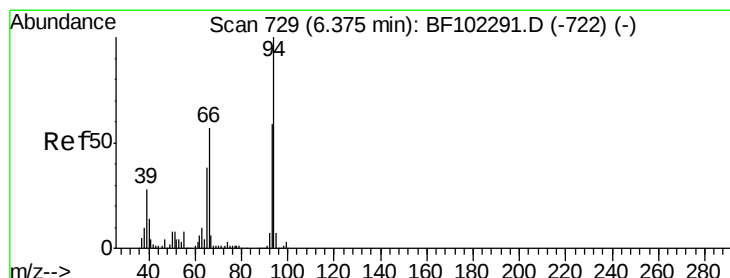
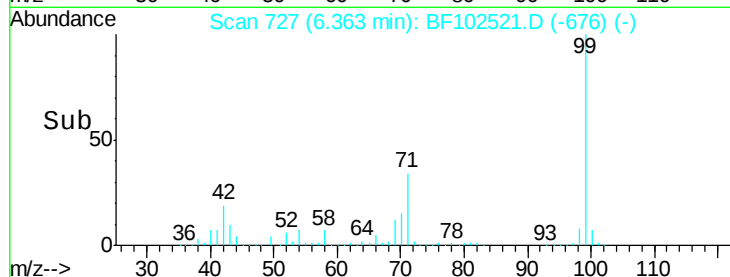
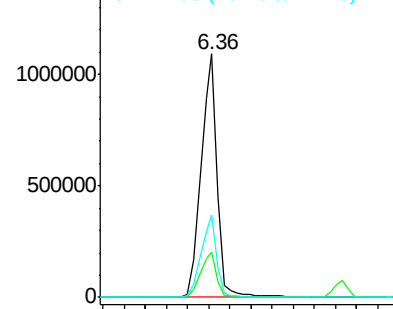
99 100

42 18.6 14.5 21.7

71 33.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.408 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

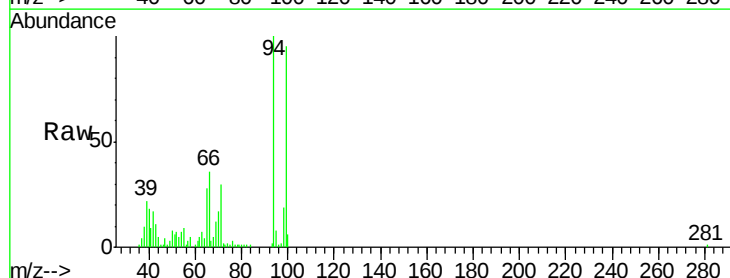
Tgt Ion: 94 Resp: 46191

Ion Ratio Lower Upper

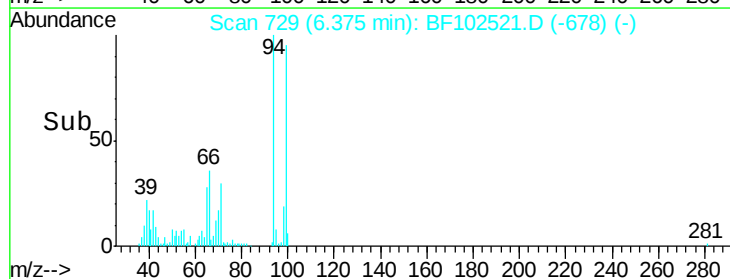
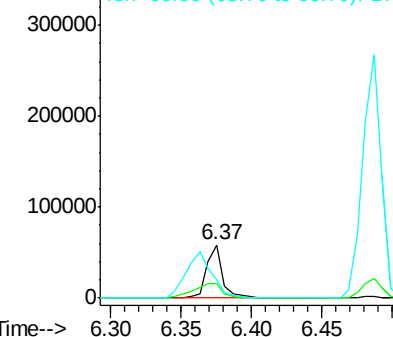
94 100

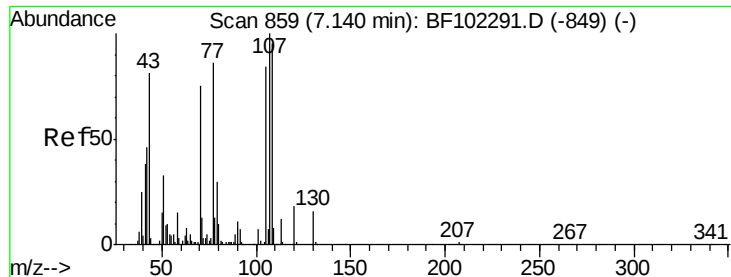
65 27.7 7.9 47.9

66 35.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

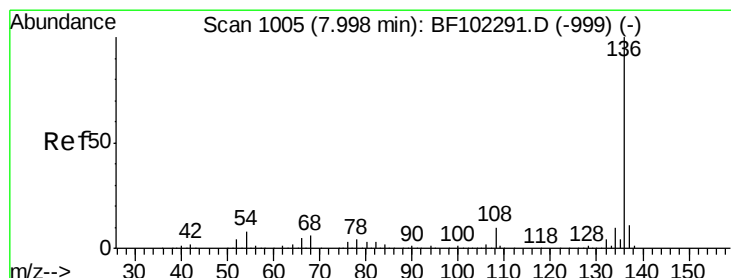
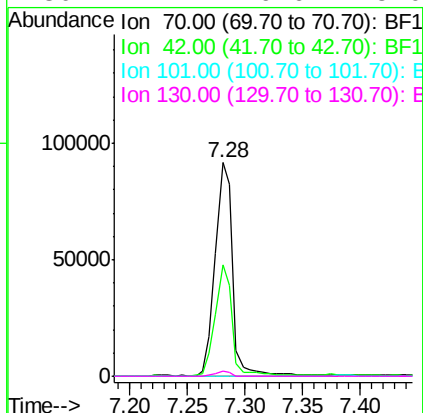
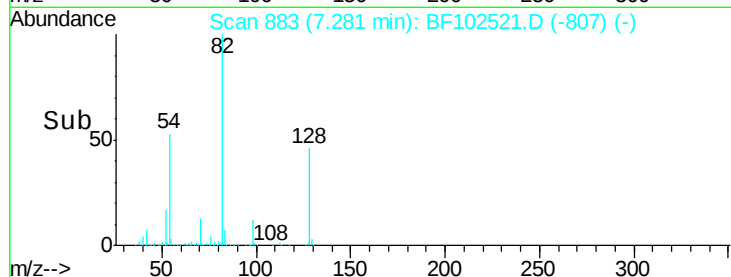
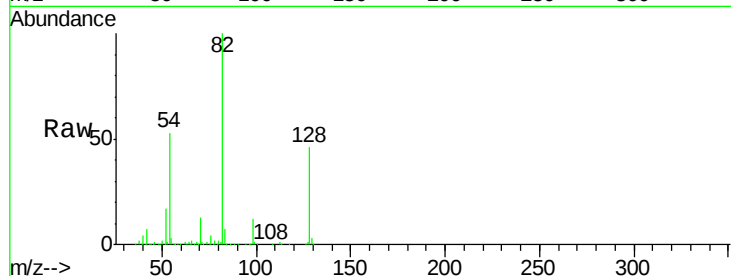




#19
n-Nitroso-di-n-propylamine
Concen: 12.858 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

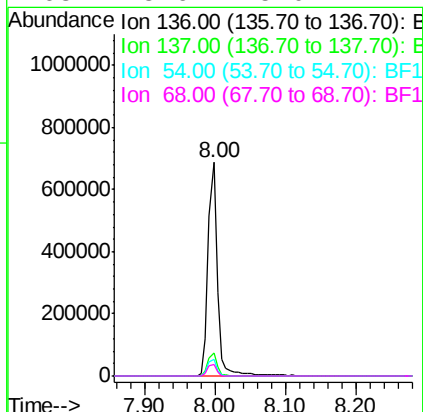
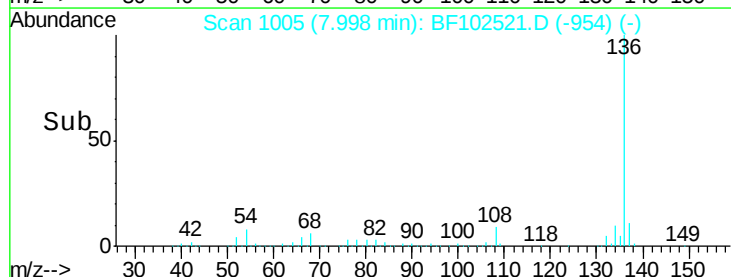
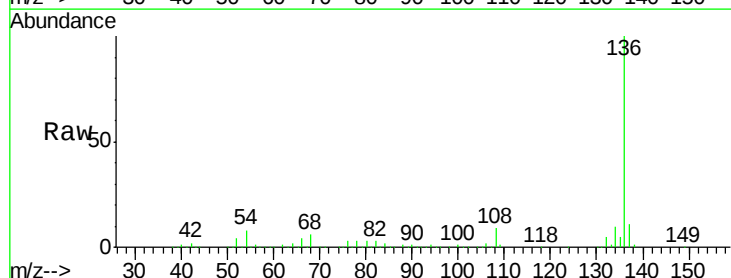
Instrument :
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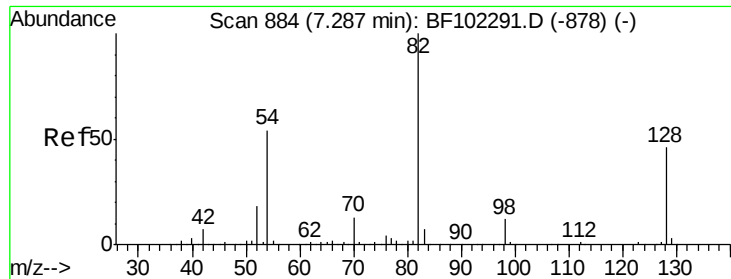
Tgt Ion: 70 Resp: 97682
Ion Ratio Lower Upper
70 100
42 51.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Tgt Ion: 136 Resp: 631787
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.8 6.6 9.8
68 5.6 5.0 7.4

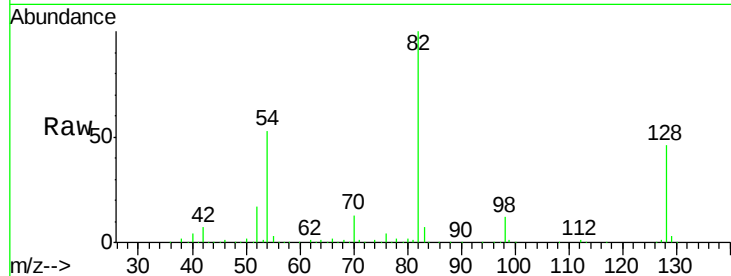




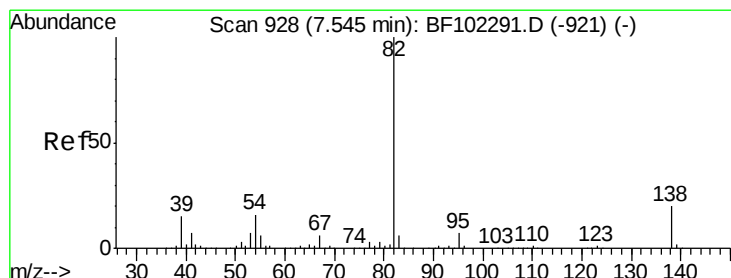
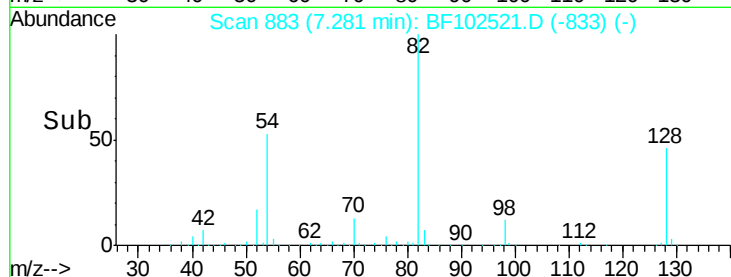
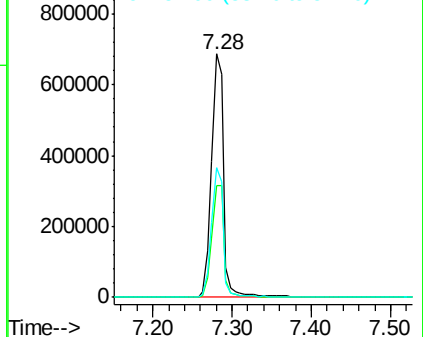
#23
 Nitrobenzene-d5
 Concen: 66.546 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-A

Tgt Ion: 82 Resp: 731597
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 53.2 41.4 62.2

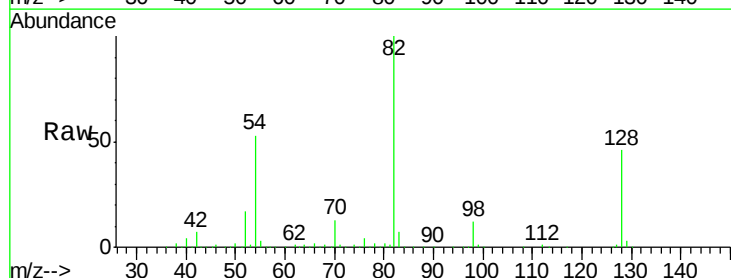


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

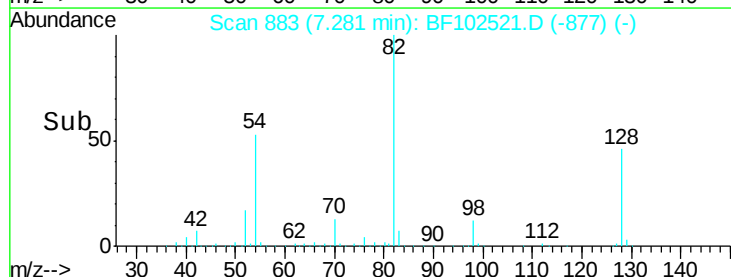
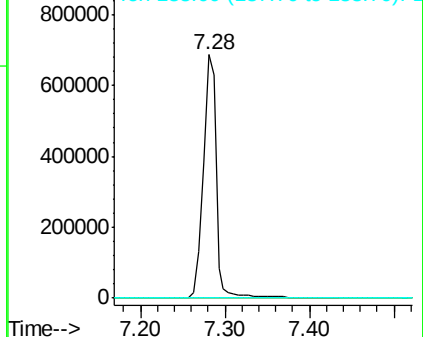


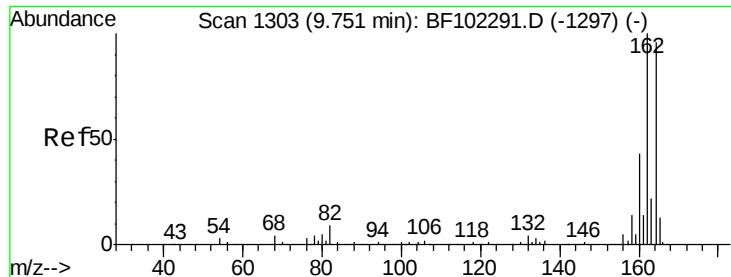
#25
 Isophorone
 Concen: 36.957 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

Tgt Ion: 82 Resp: 724334
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-A

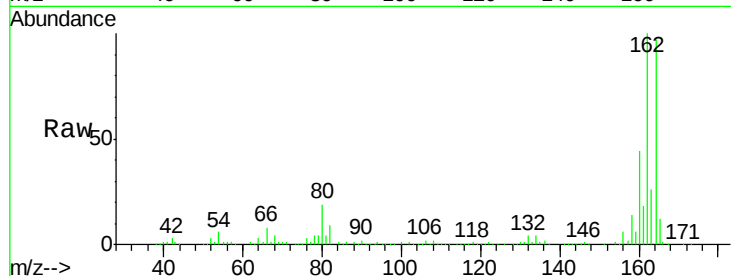
Tgt Ion:164 Resp: 257695

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

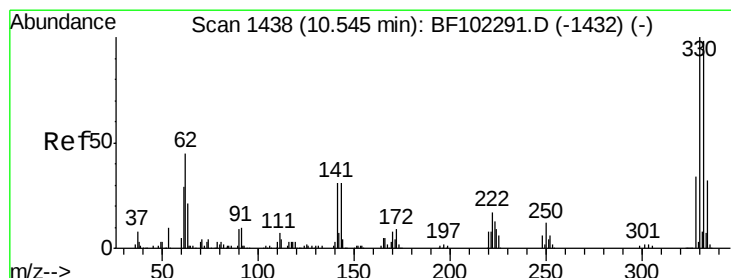
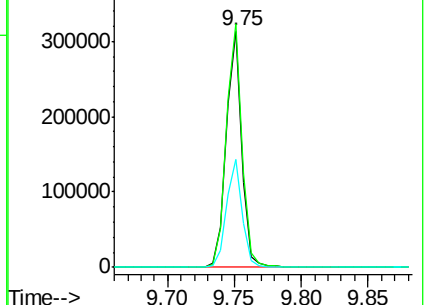
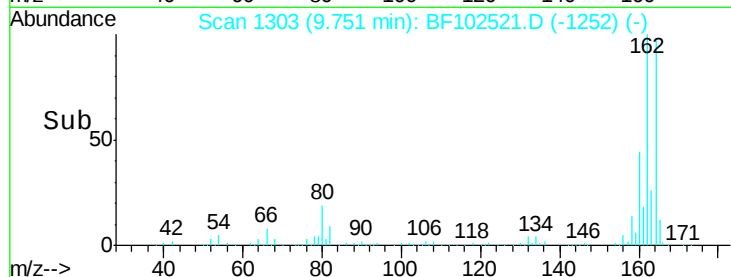
160 45.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 75.436 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

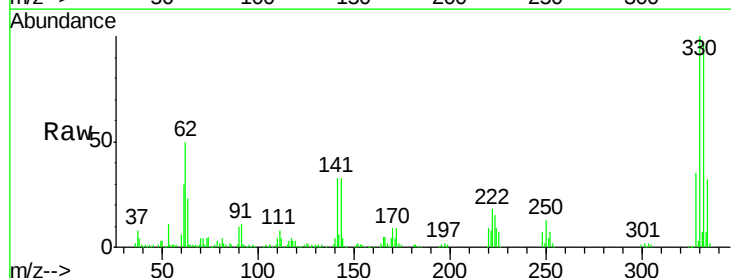
Tgt Ion:330 Resp: 192618

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

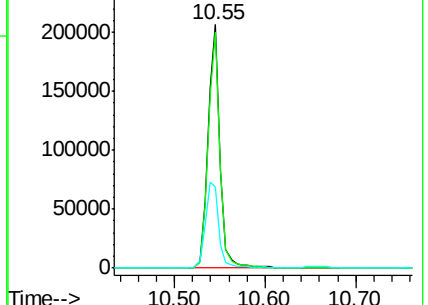
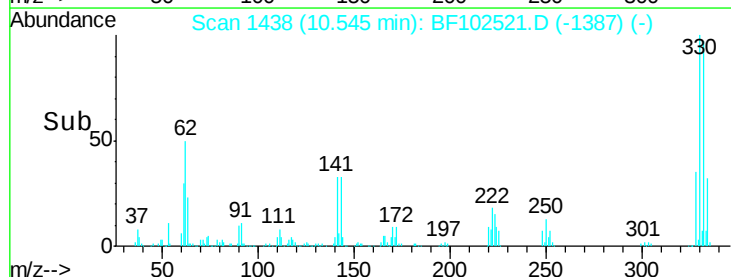
141 40.0 29.9 44.9

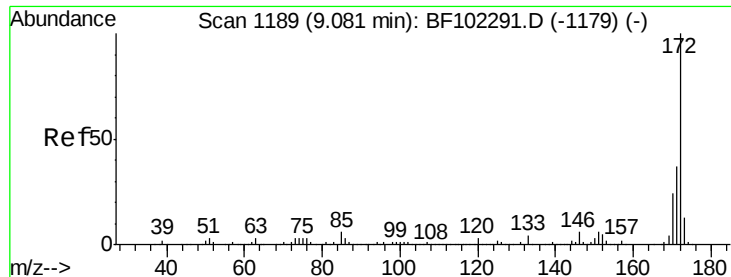


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

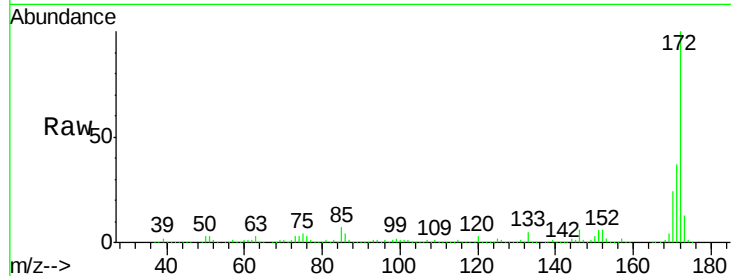




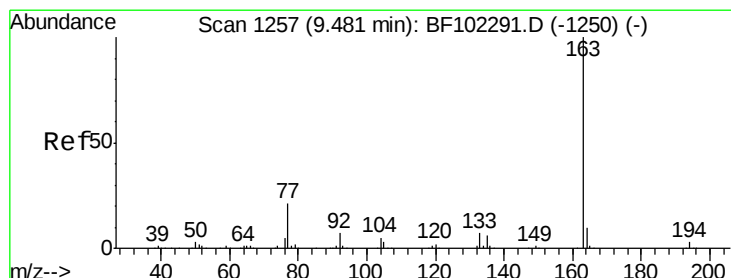
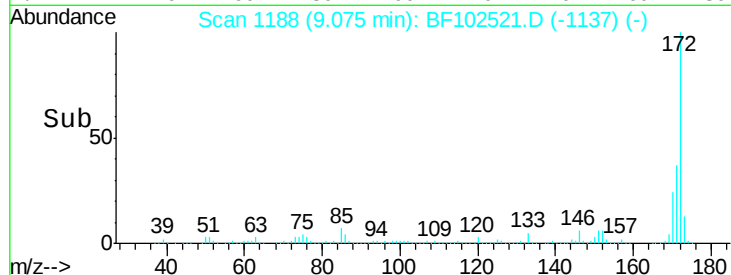
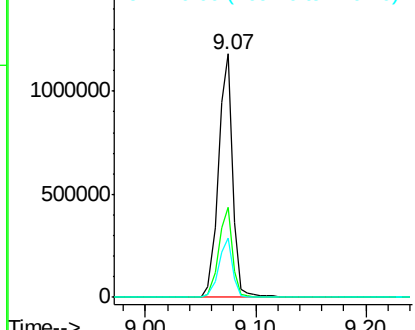
#44
2-Fluorobiphenyl
Concen: 60.473 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Instrument :
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Tgt Ion:172 Resp: 1059857
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.3 19.6 29.4

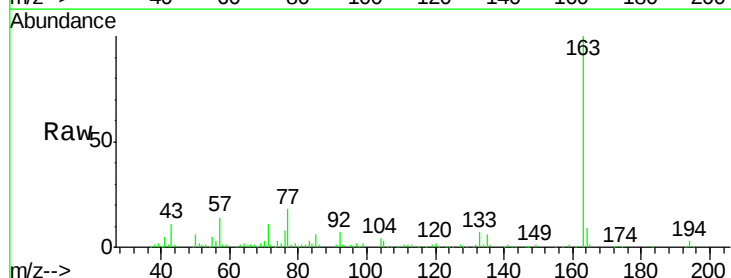


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

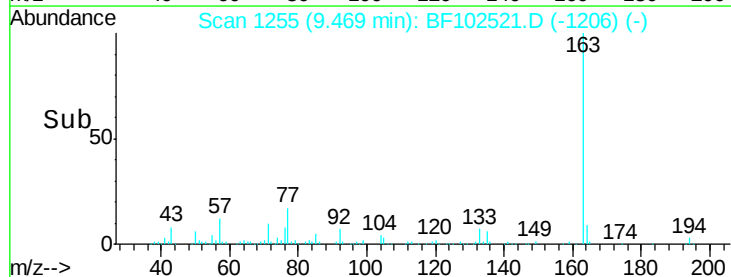
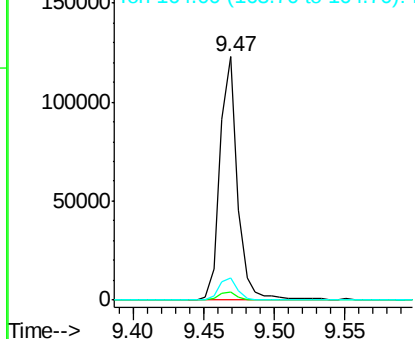


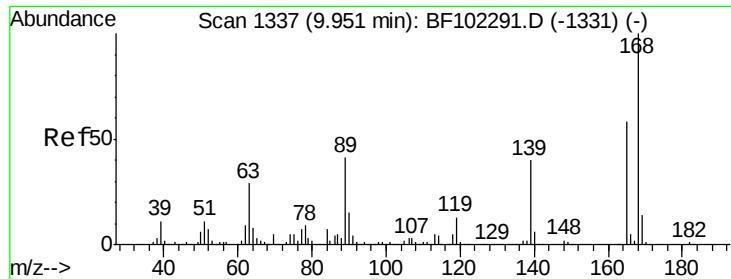
#49
Dimethylphthalate
Concen: 4.990 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Tgt Ion:163 Resp: 106286
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

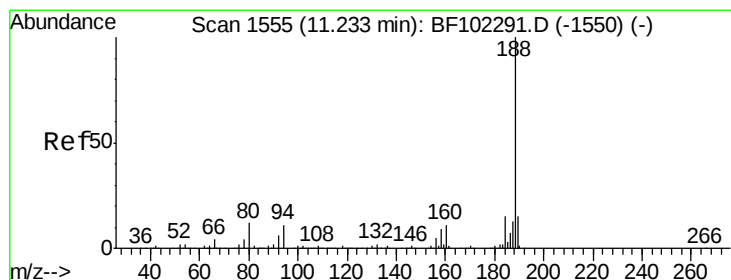
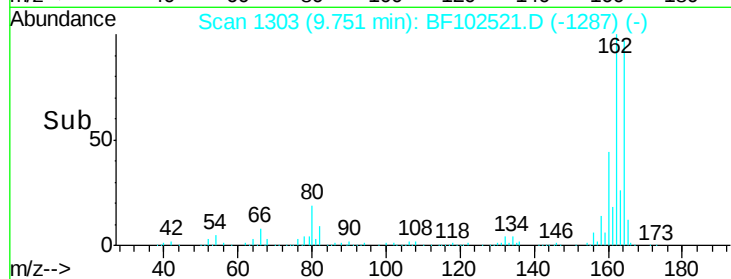
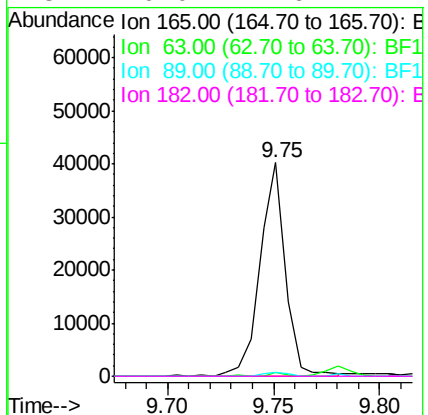
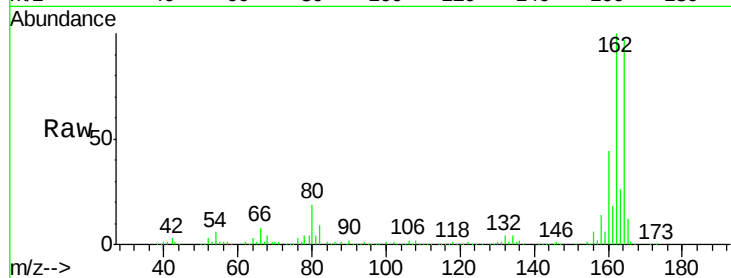




#56
 2,4-Dinitrotoluene
 Concen: 5.954 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

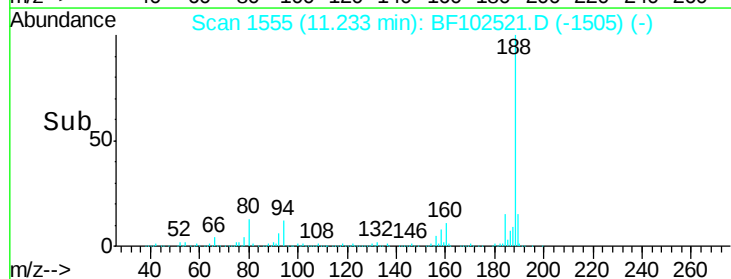
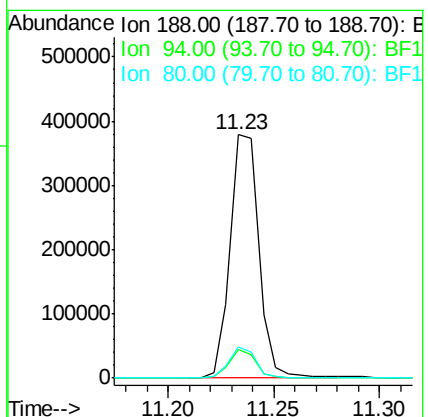
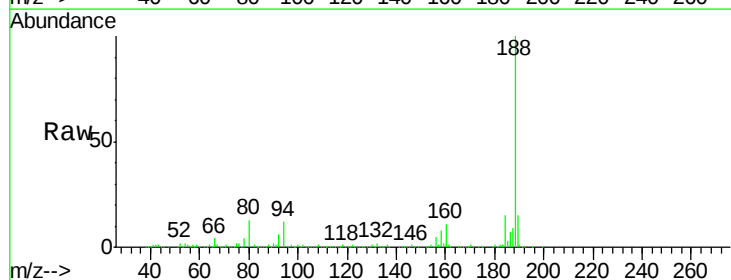
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 BNA_F
 ClientSampleId :
 AU-06-012518-A

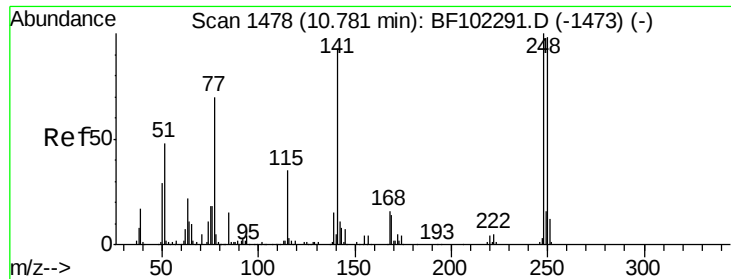
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.7	9.2	13.8

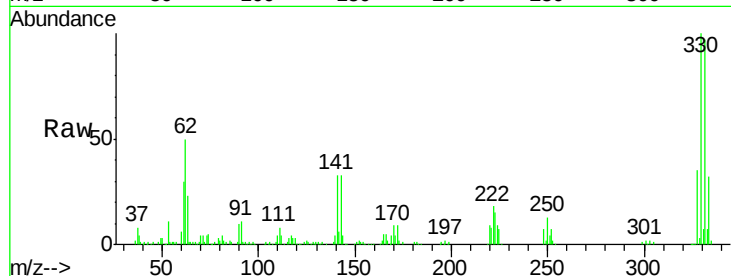




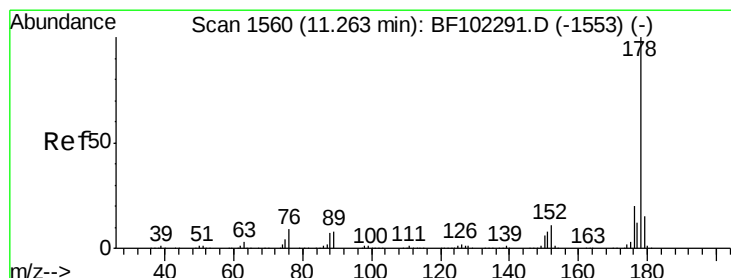
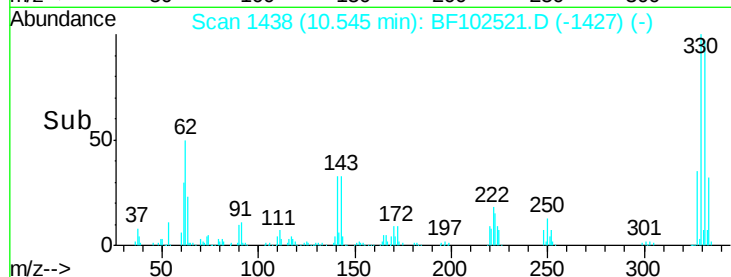
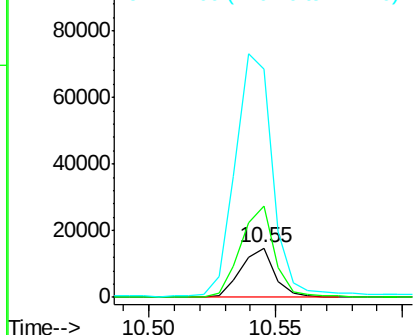
#66
 4-Bromophenyl-phenylether
 Concen: 3.571 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-A

Tgt Ion:248 Resp: 13648
 Ion Ratio Lower Upper
 248 100
 250 183.9 76.9 115.3#
 141 463.5 74.4 111.6#

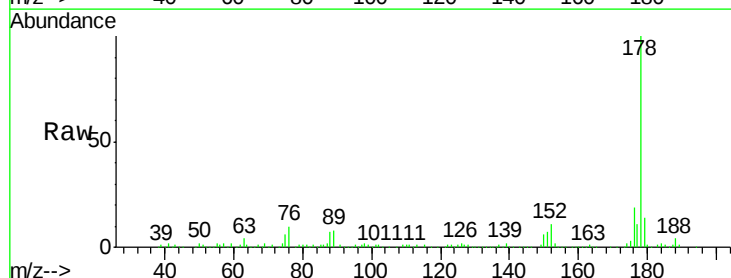


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

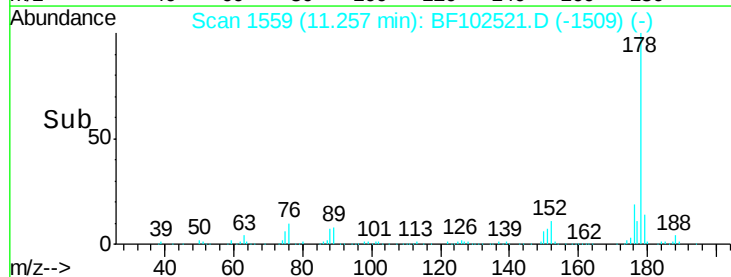
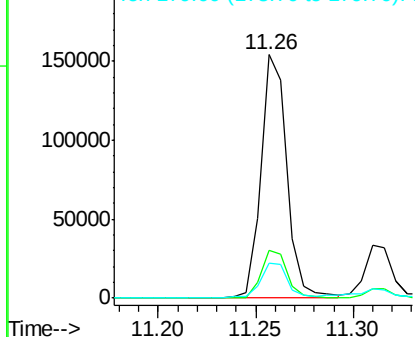


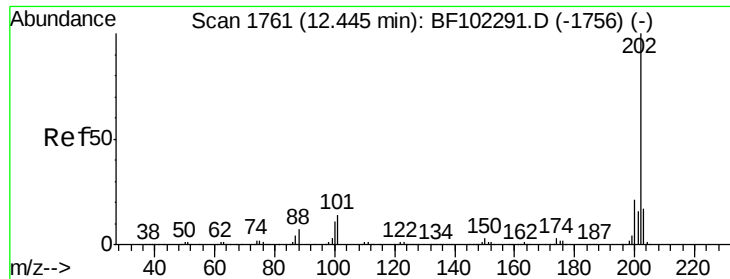
#70
 Phenanthrene
 Concen: 6.839 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

Tgt Ion:178 Resp: 141502
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 14.4 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.308 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

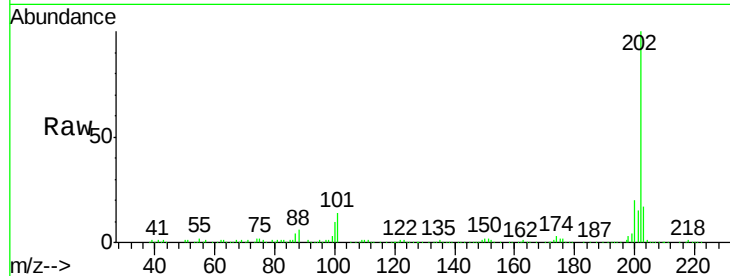
Instrument :

BNA_F

ClientSampleId :

AU-06-012518-A

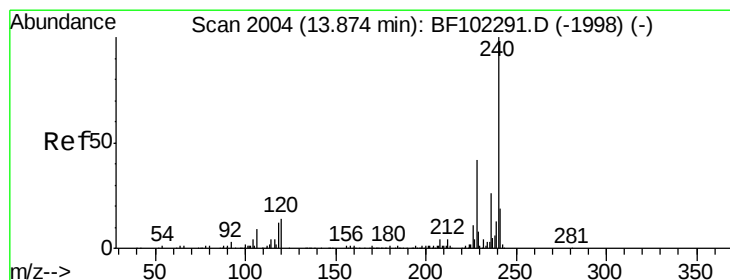
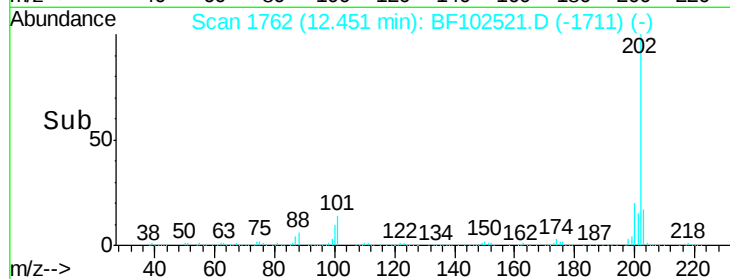
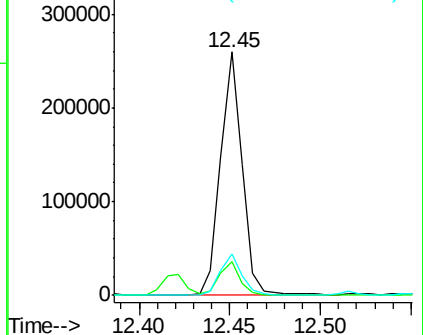
Tgt Ion:	202	Resp:	217477
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.1	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

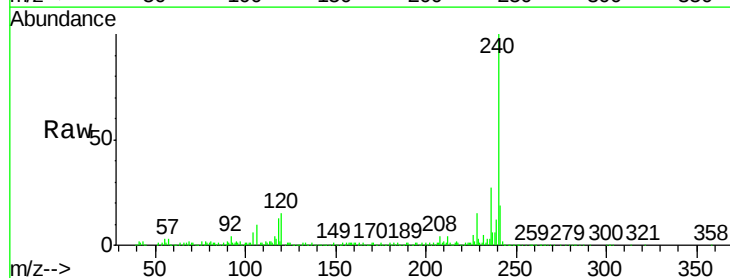
RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

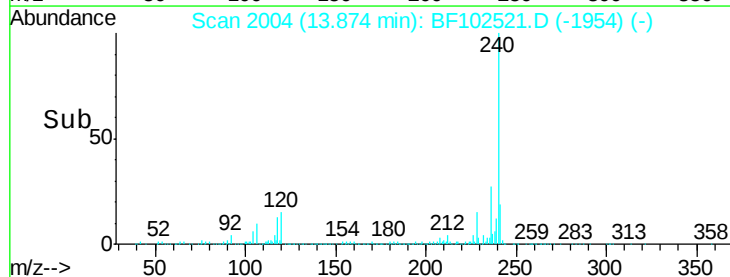
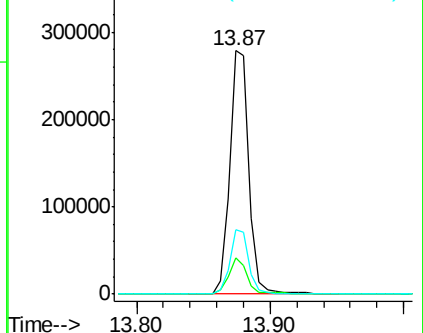
Tgt Ion:	240	Resp:	279205
Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	26.6	20.7	31.1

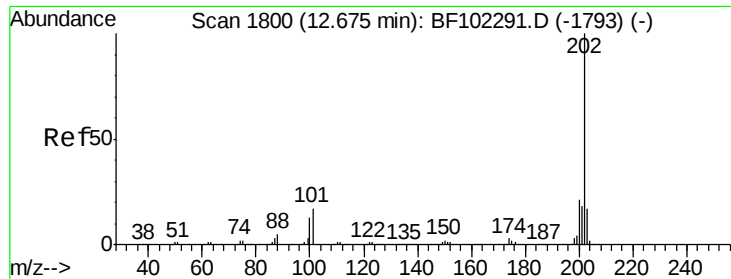


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

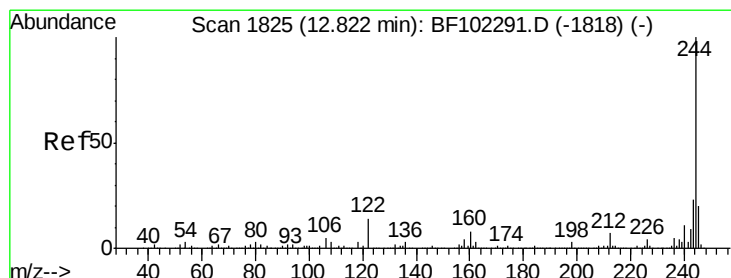
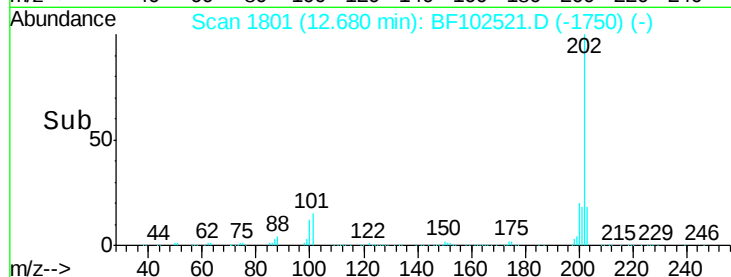
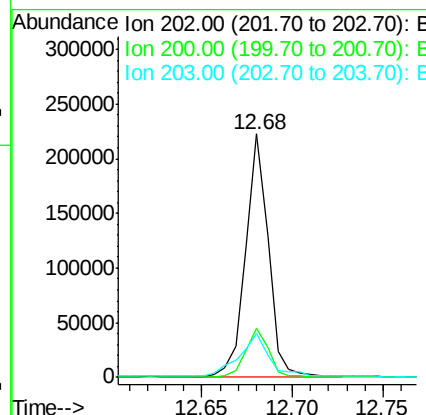
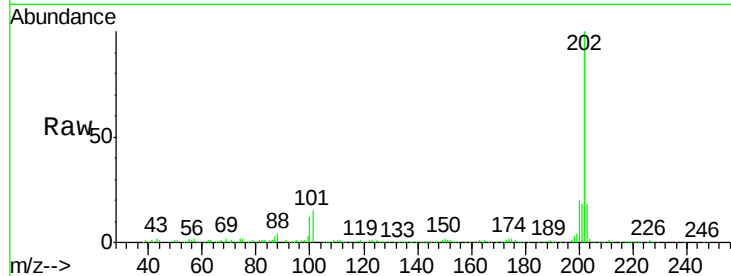




#77
 Pyrene
 Concen: 8.932 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

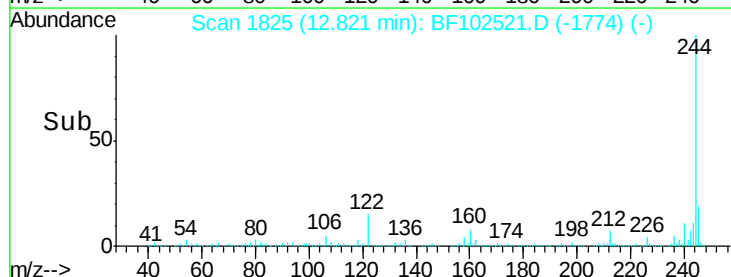
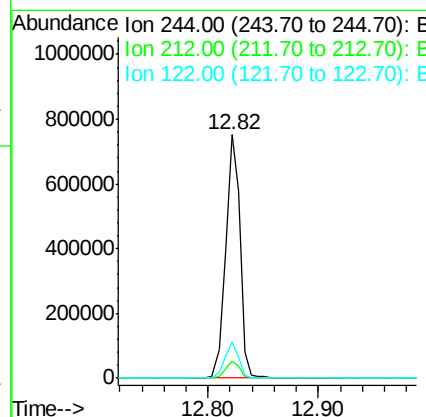
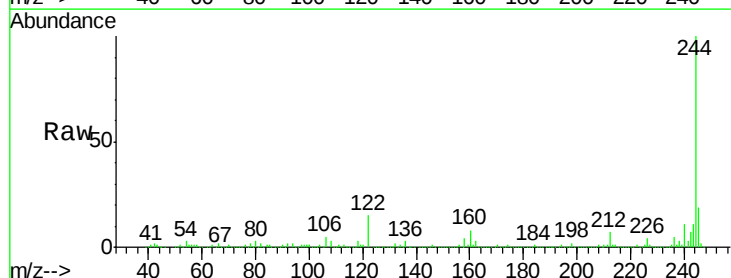
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-A

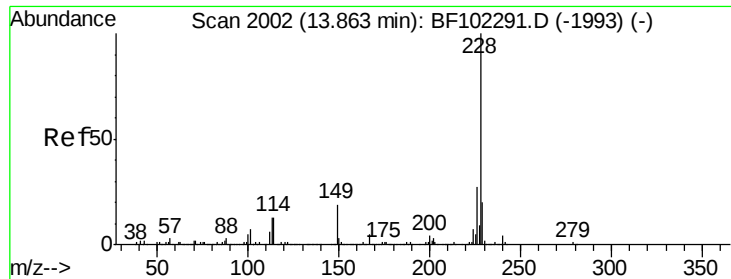
Tgt Ion: 202 Resp: 192807
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.4 26.2
 203 18.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 55.251 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102521.D
 Acq: 27 Jan 2018 20:15

Tgt Ion: 244 Resp: 684293
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.9 11.0 16.4

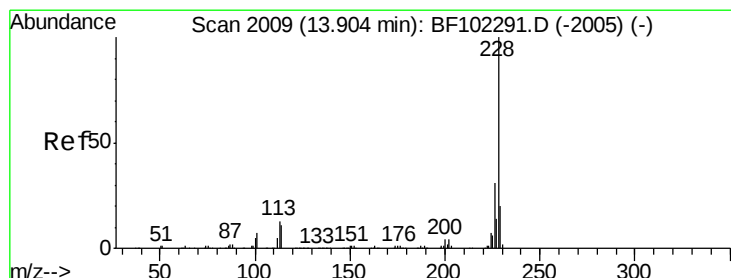
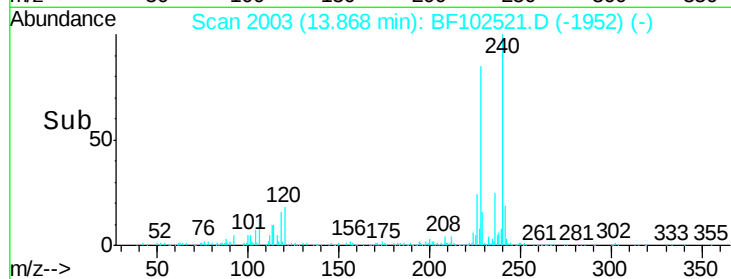
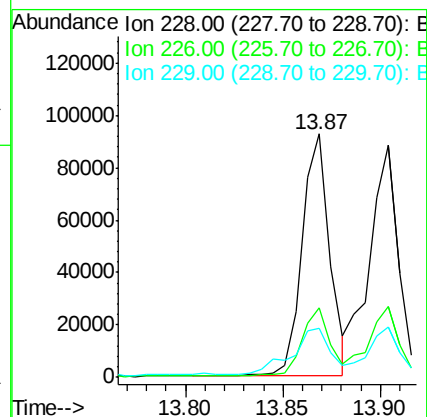
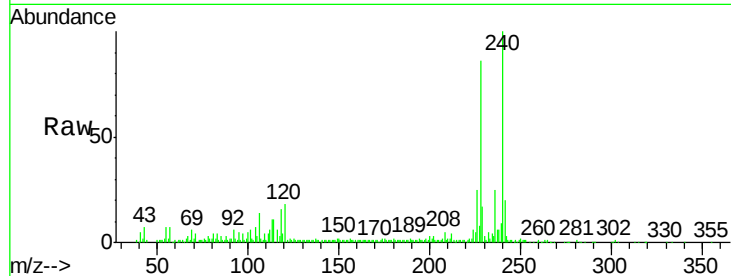




#80
Benzo(a)anthracene
Concen: 5.306 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

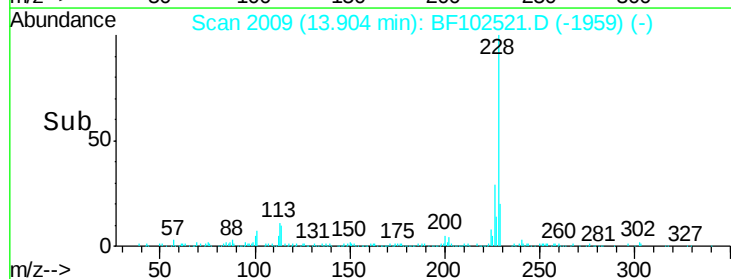
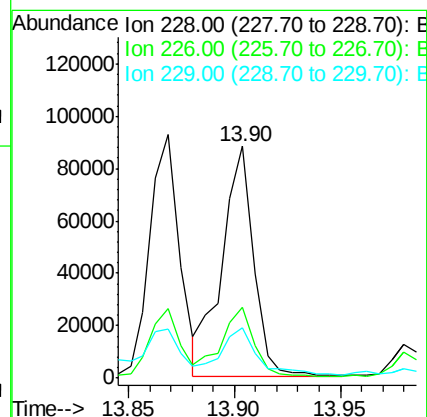
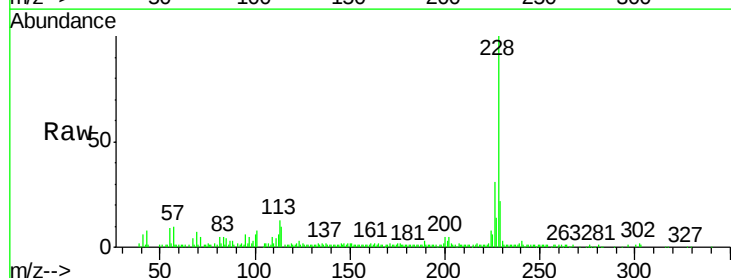
Instrument :
BNA_F
ClientSampleId :
AU-06-012518-A

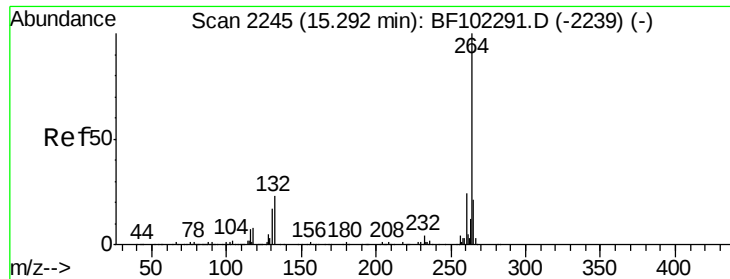
Tgt Ion:228 Resp: 91202
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 20.3 15.8 23.6



#82
Chrysene
Concen: 5.292 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Tgt Ion:228 Resp: 92385
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.8 16.2 24.4



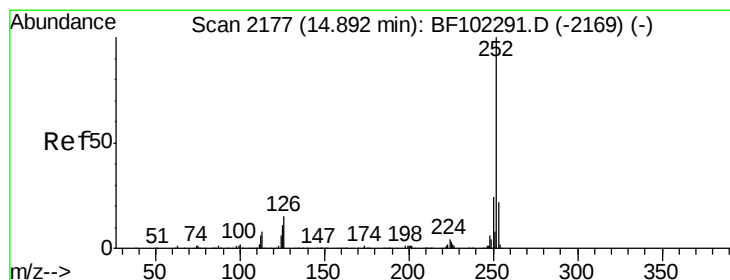
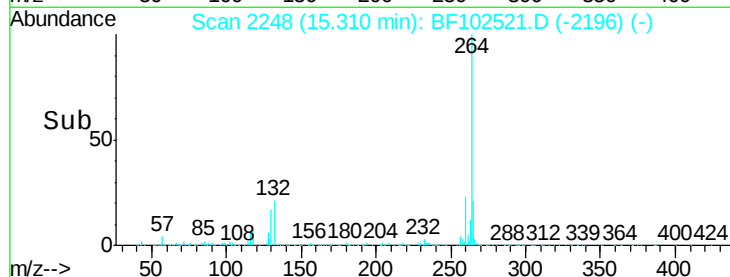
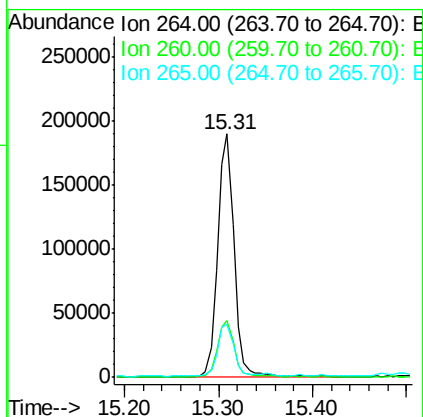
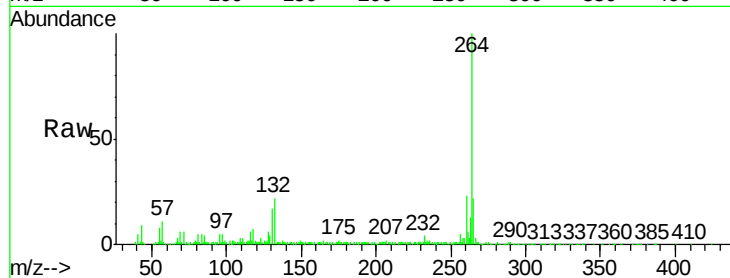


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Instrument :
BNA_F
ClientSampleId :
AU-06-012518-A

Tgt Ion: 264 Resp: 230310

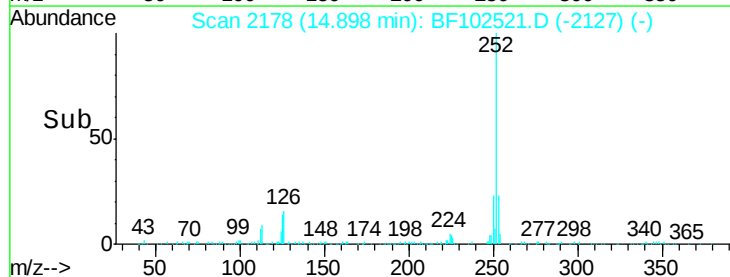
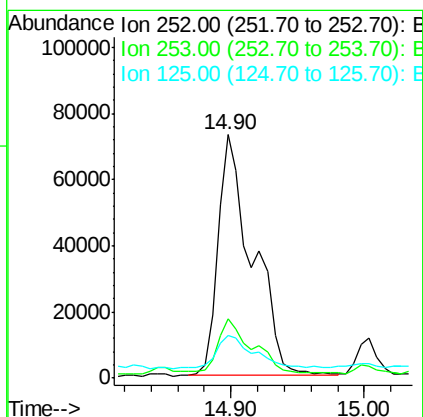
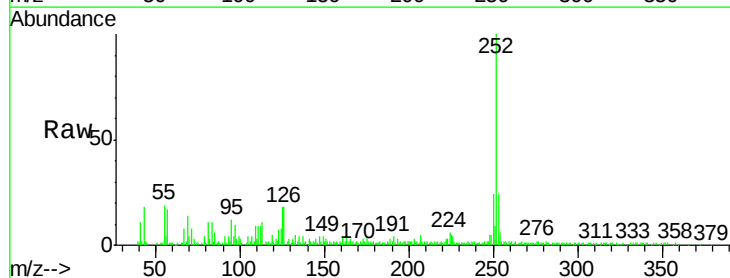
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.5	17.5	26.3

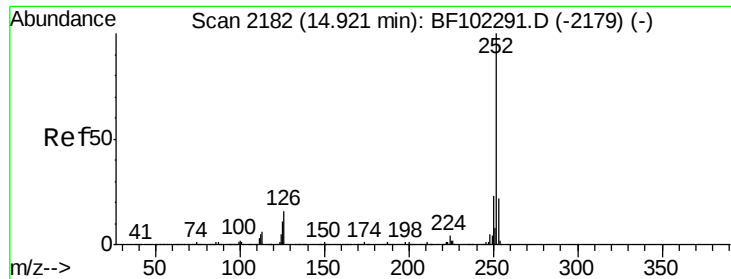


#87
Benzo(b)fluoranthene
Concen: 8.790 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Tgt Ion: 252 Resp: 131211

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	17.7	9.0	13.6#

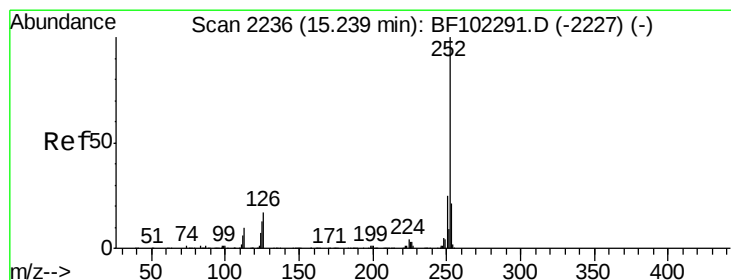
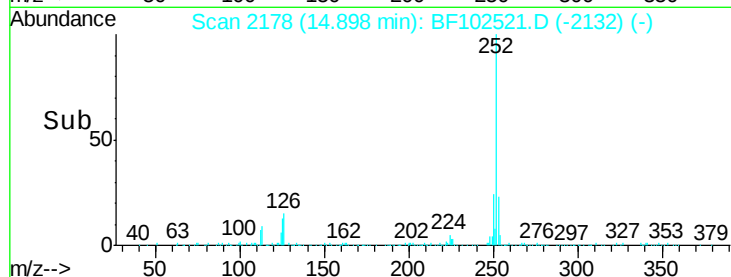
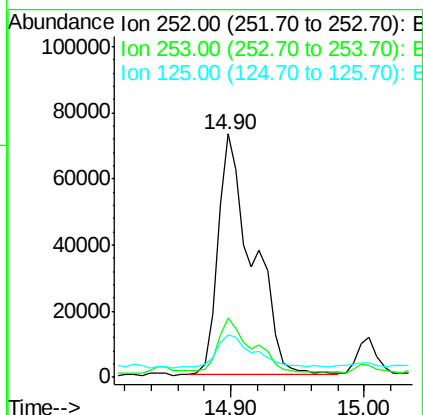
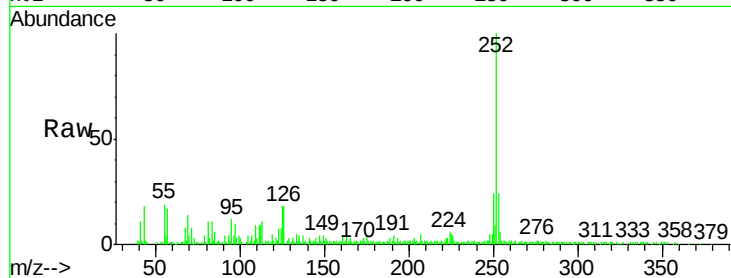




#88
Benzo(k)fluoranthene
Concen: 9.304 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

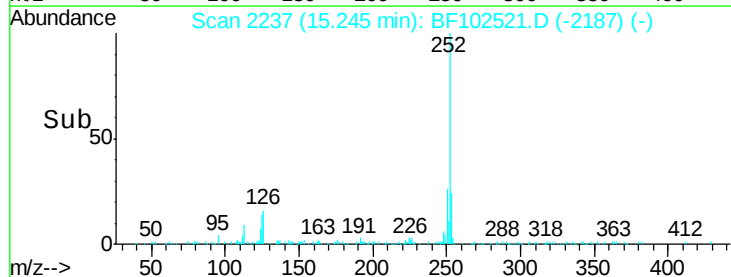
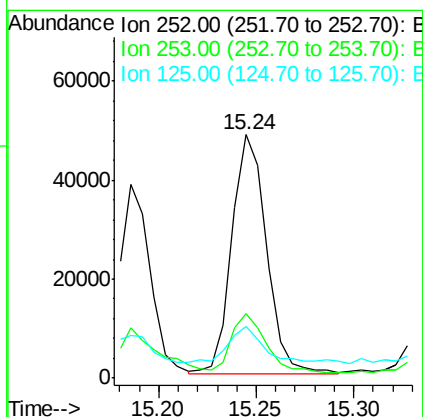
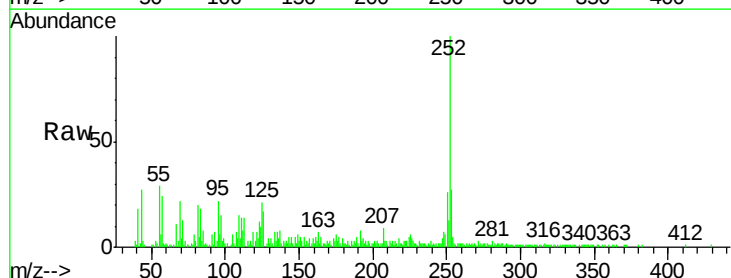
Instrument :
BNA_F
ClientSampleId :
AU-06-012518-A

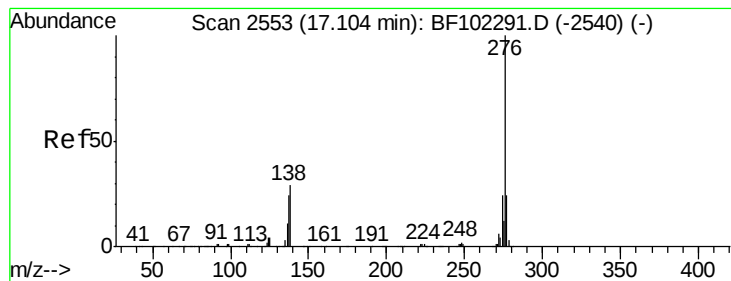
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	17.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.399 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF102521.D
Acq: 27 Jan 2018 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.1	25.7
125	21.4	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 2.457 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF102521.D

Acq: 27 Jan 2018 20:15

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-A

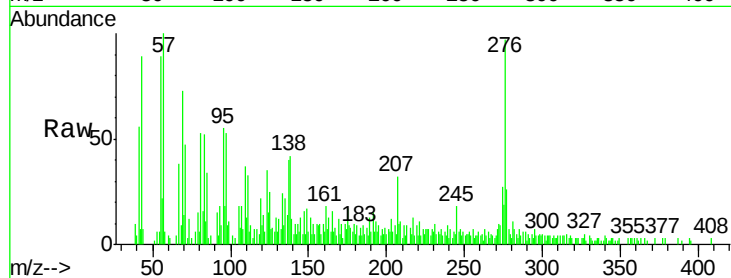
Tgt Ion: 276 Resp: 26461

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 43.4 21.8 32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

